

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Keiichi TERAMOTO, et al.

SERIAL NO: NEW APPLICATION

GAU:

FILED: HEREWITH

EXAMINER:

FOR: METHOD FOR SHARING ENCRYPTED DATA REGION AMONG PROCESSES IN TAMPER RESISTANT PROCESSOR



INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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STATEMENT OF RELEVANCY

Reference AA (5,805,706) on form PTO-1449:

The present invention relates to a cryptographic device that decrypts information having a first encrypted format that is input the cryptographic device producing information in a non-encrypted format. The decryption and re-encryption operations are accomplished entirely within the cryptographic device.

Reference AB (6,003,117) on form PTO-1449:

This reference is a soft secure memory management unit (SMMU) signals the processor when the processor attempts to access first data which is not within the decrypted data in the main memory, but is within the encrypted data stored in the external memory. When the soft SMMU signals the processor, the processor oversees transfer the data.

Reference AC (5,123,045) on form PTO-1449:

In this reference, not only the values stored in the general purpose memory are hidden, but also the sequence in which memory location are accessed during execution is hidden. The software and data are stored in accordance with a pseudo-random mapping such that the pattern of access reveals no information to adversarial observers.

References AA through AF, AO and AW on form PTO-1449:

These references are mentioned in the Specification.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 217811US2RD		SERIAL NO. NEW APPLICATION	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Keiichi TERAMOTO, et al.			
				FILING DATE HEREWITH		GROUP	

679 U.S. PTO
10/028794
12/28/01

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	AA	5,805,706	09/08/98	Derek L. DAVIS			
	AB	6,003,117	12/14/99	Mark Leonard BUER, et al.			
	AC	5,123,045	06/16/92	Rafail OSTROVSKY, et al			
	AD	4,847,902	07/11/89	Bradford E. HAMPSON			
	AE	5,224,166	06/29/93	Robert C. HARTMAN, Jr.			
	AF	5,825,878	10/20/98	Richard TAKAHASHI, et al.			
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS					
DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
			YES	NO	
AO	11-282667 /	10/15/99	JAPAN (with English Abstract)		X
AP					
AQ					
AR					
AS					
AT					
AU					
AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)	
AW	David AUCSMITH, et al., "TAMPER RESISTANT SOFTWARE: AN IMPLEMENTATION", Proceedings of the 1996 Intel Software Developers' Conference, pgs. 1-10
AX	
AY	
AZ	

☐ Additional References sheet(s) attached

Examiner	Date Considered
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*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.